



Termino North Aliso Field Oil Development Project

Environmental Impact Report

Public Scoping Meeting

Presentation by:
County of Los Angeles
and
MRS
(EIR Consultant)

May 20, 2015

Common Acronyms

- EIR . Environmental Impact Report
- CEQA . California Environmental Quality Act
- NOP . Notice of Preparation
- MRS . Marine Research Specialists

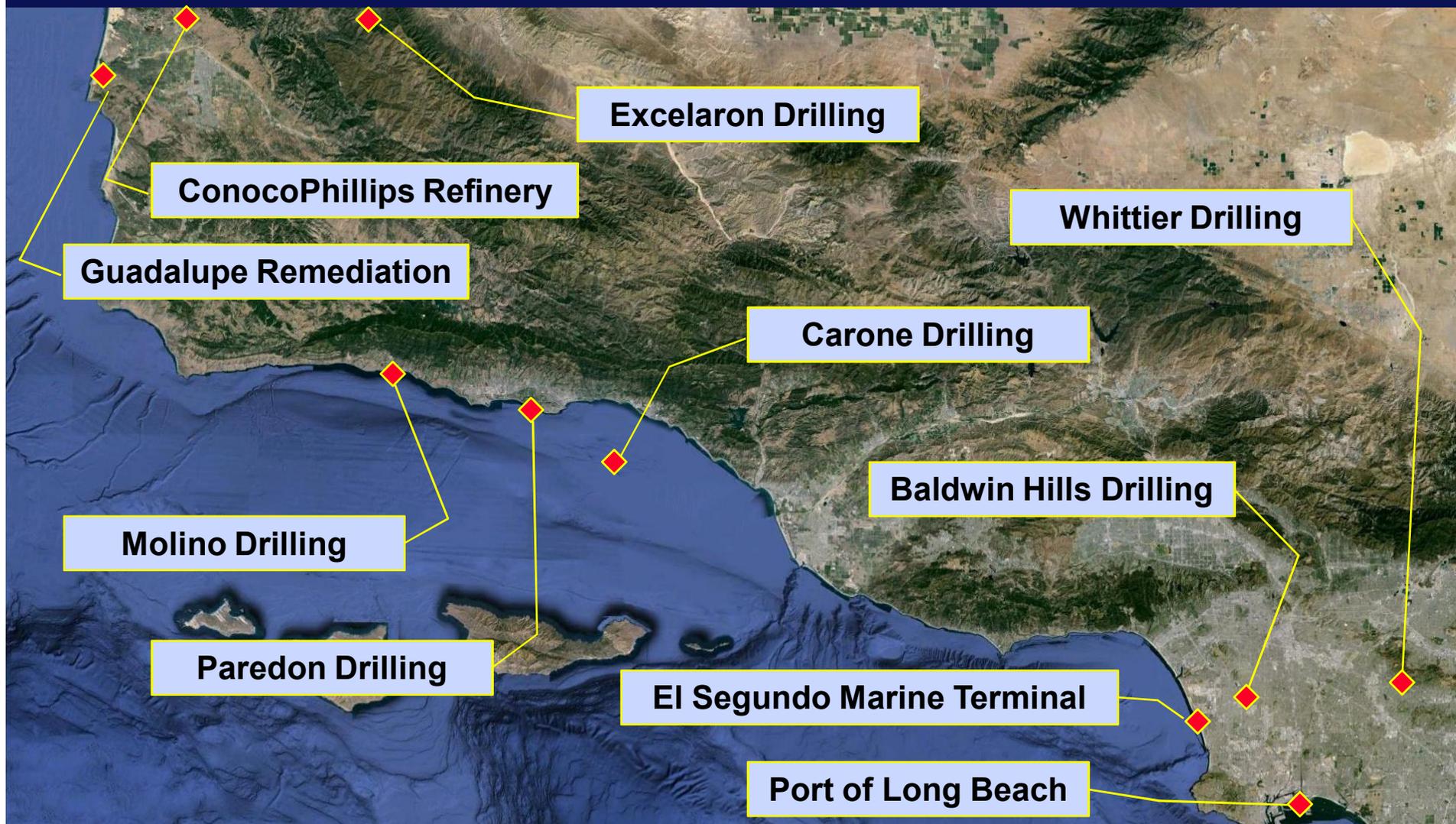
This presentation will cover various aspects of the Oil Development Project EIR.

- EIR Team
- Overview of the Proposed Project
- The EIR and CEQA Process
- EIR Issue Areas
- Alternatives
- EIR Schedule and Public Participation
- Public Comments

Local agency and a consulting firm will prepare this EIR.

- **County of Los Angeles** is the lead agency for the Project.
- **MRS** is a consulting firm specializing in preparing EIRs for oil and gas development projects. MRS was retained by the County to provide an independent and impartial assessment of the proposed project.

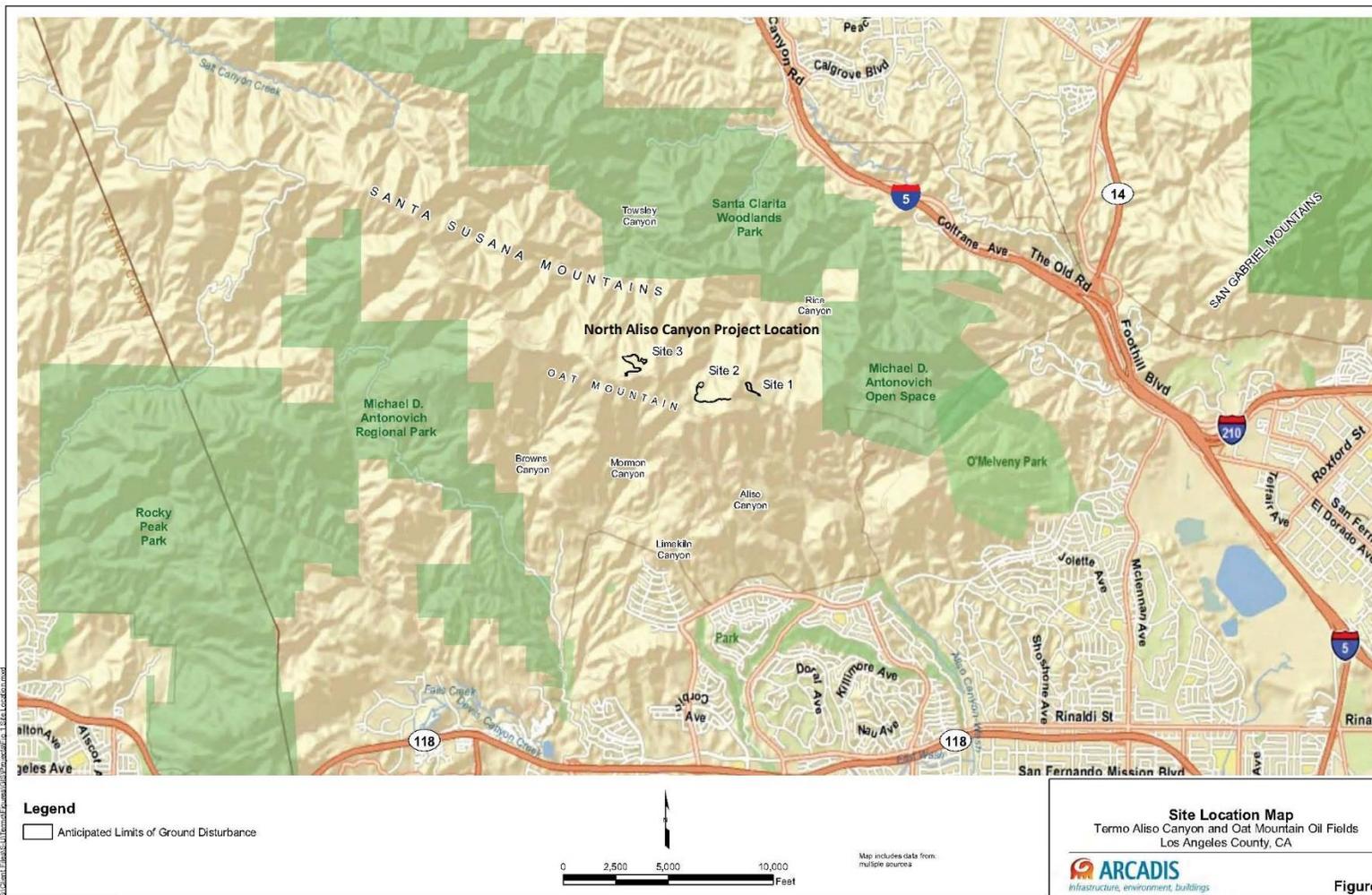
MRS Has Extensive Oil and Gas CEQA Experience:



Overview of the Proposed Project

- 3 Pad Sites
- Southern Boundary of the Santa Susana Mountains
- Drilling of Wells into the North Aliso Oil Field
- 12 Production Wells
- Installation and operation of new onsite oil and gas pipelines
- Access routes
- Connections to existing power lines
- No Hydraulic Fracturing proposed

Location of Proposed Facilities



Location of Proposed Facilities

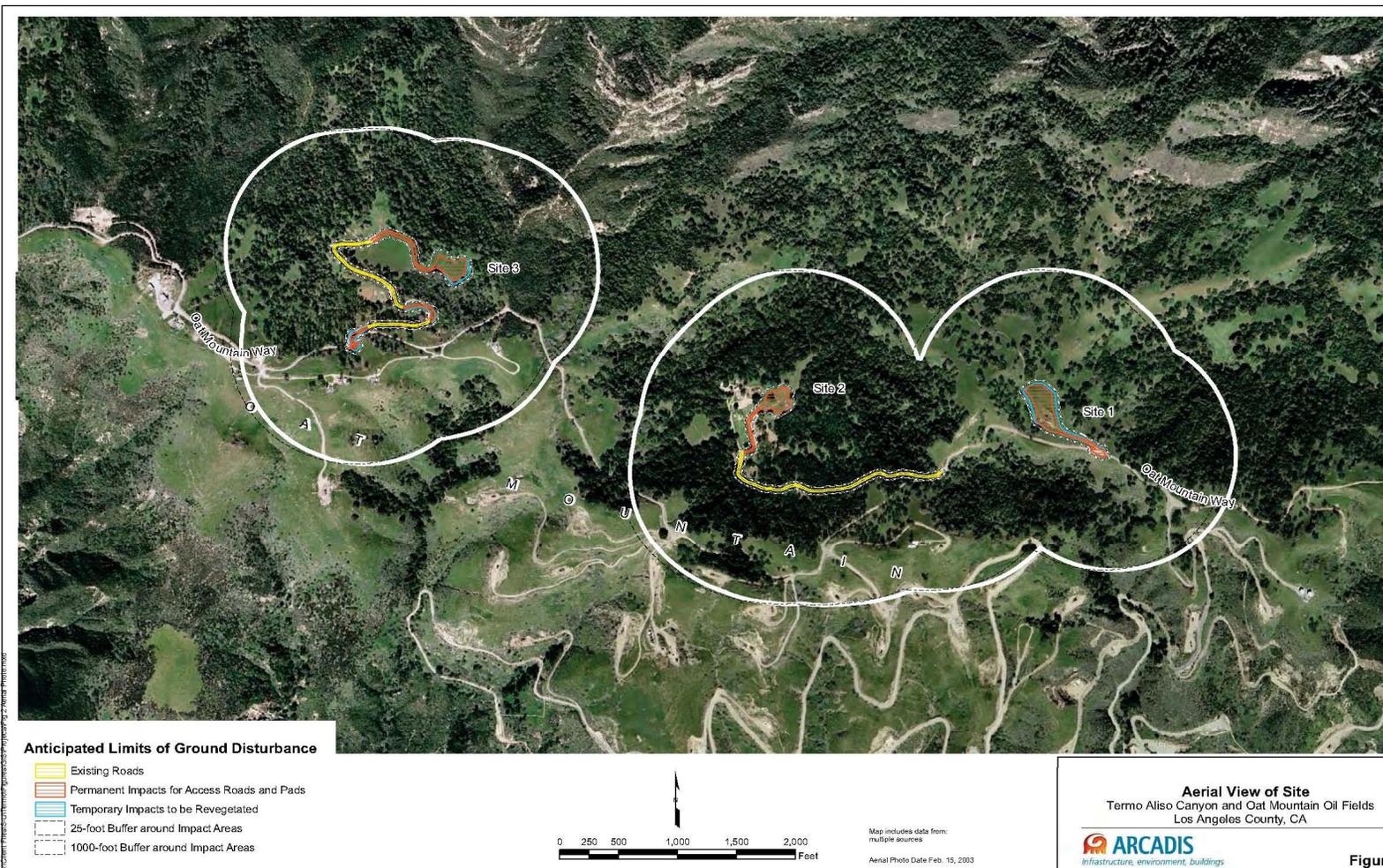


Figure 2

Existing Facilities:

- Aliso Canyon Oil Field
- 8 Existing wells
- Existing pipeline system
- Existing Aliso Canyon tank farm and processing facility
- Oil transported by truck
- Water to the Gas Company for reinjection
- Gas sold to the Gas Company
- Termo also operates Oat Mountain Oil field nearby

Phase 1: Test Well

- Prepare Pad Area
- Approx. 1.3 acres per pad
- Mobilize Rig
- Drill a well on Site Pad 1
- 7,000 to 9,000 feet deep
- Set up Temporary facilities
- Well testing

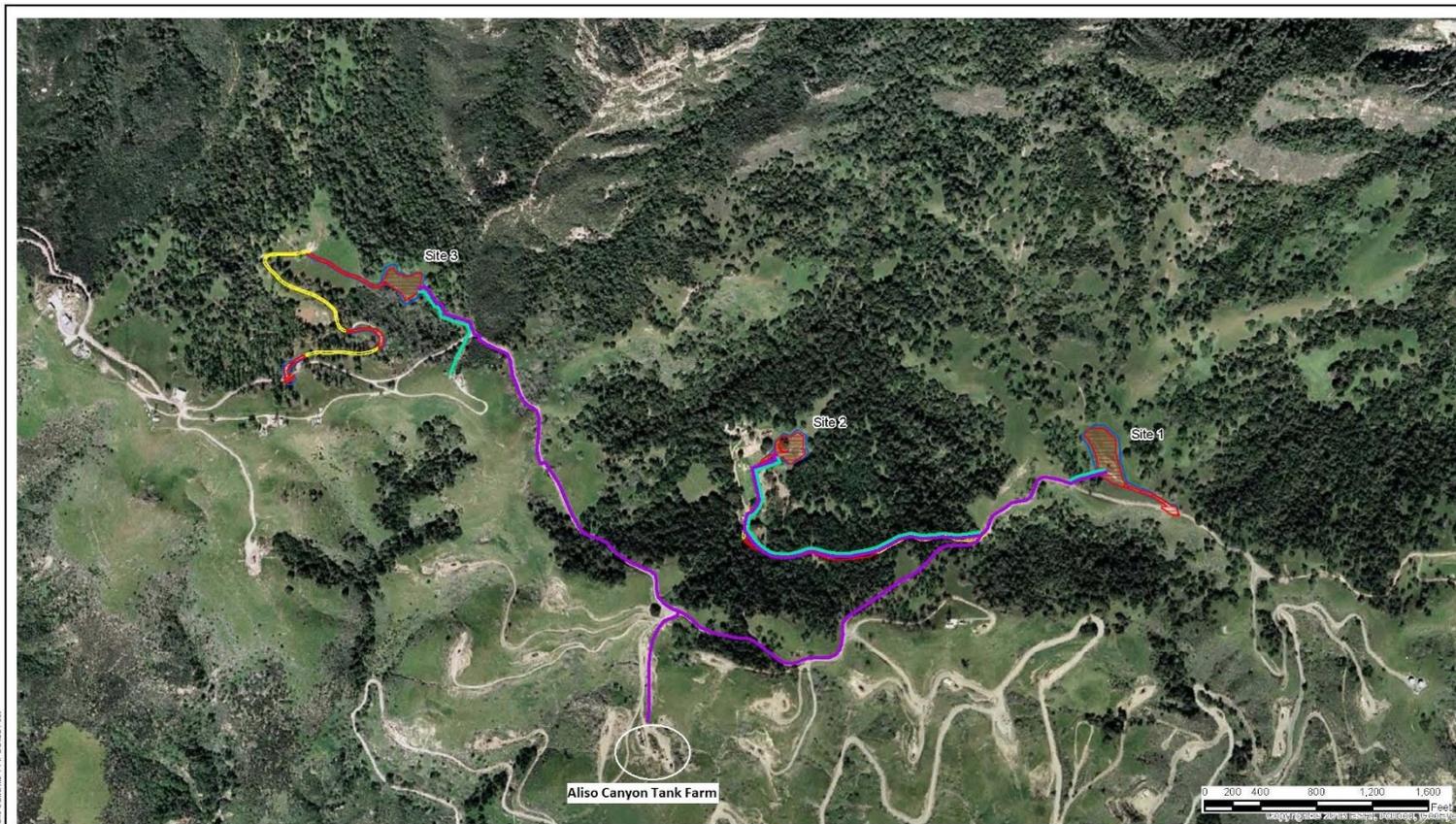
Phase 2: Well Pads, Pipelines and Roads

- Completion of Well Pad #1
- Installation of equipment
- 4 wells at each well pad site
- Installation of onsite oil and gas pipelines
- Tie in to the Aliso Canyon Facilities
- Improvements to road access as needed
- Similar process for wells pads #2 and #3

Phase 2: Oil and Gas Production and Transport

- Oil and Gas will be processed at the existing Aliso Canyon Tank Farm
- Water re-injected into an existing injection well
- Produced oil transported by truck
- 1-3 additional tanker trucks per day
- Natural Gas transported to the adjacent Gas Company Facilities.

Location of Proposed Pipelines



ENV: San Luis Obispo, CA; Client: PacifiCS; Term: Aliso Canyon Field; Project: Proposed Utilities; Date: 2/10/2014; D: Fisher; Coordinate System: NAD 1983 StatePlane California North Central FIPS 5002 Feet

Legend	
Disturbance Type	Proposed Utilities
Existing Road	New Surface Electric
New / Re-graded Road / Pad	Surface Fluid/Gas Pipes
Temporary Disturbance	

1. Electrical power to well pads will connect to existing utility infrastructure at the oilfield
2. Fluid / Gas / Electrical will follow the side of the road to the greatest extent possible
3. Final infrastructure alignment will be reviewed by the project biologist to ensure maximum avoidance of ecological resources.
4. All pipes will be placed on sleepers / risers above ground.

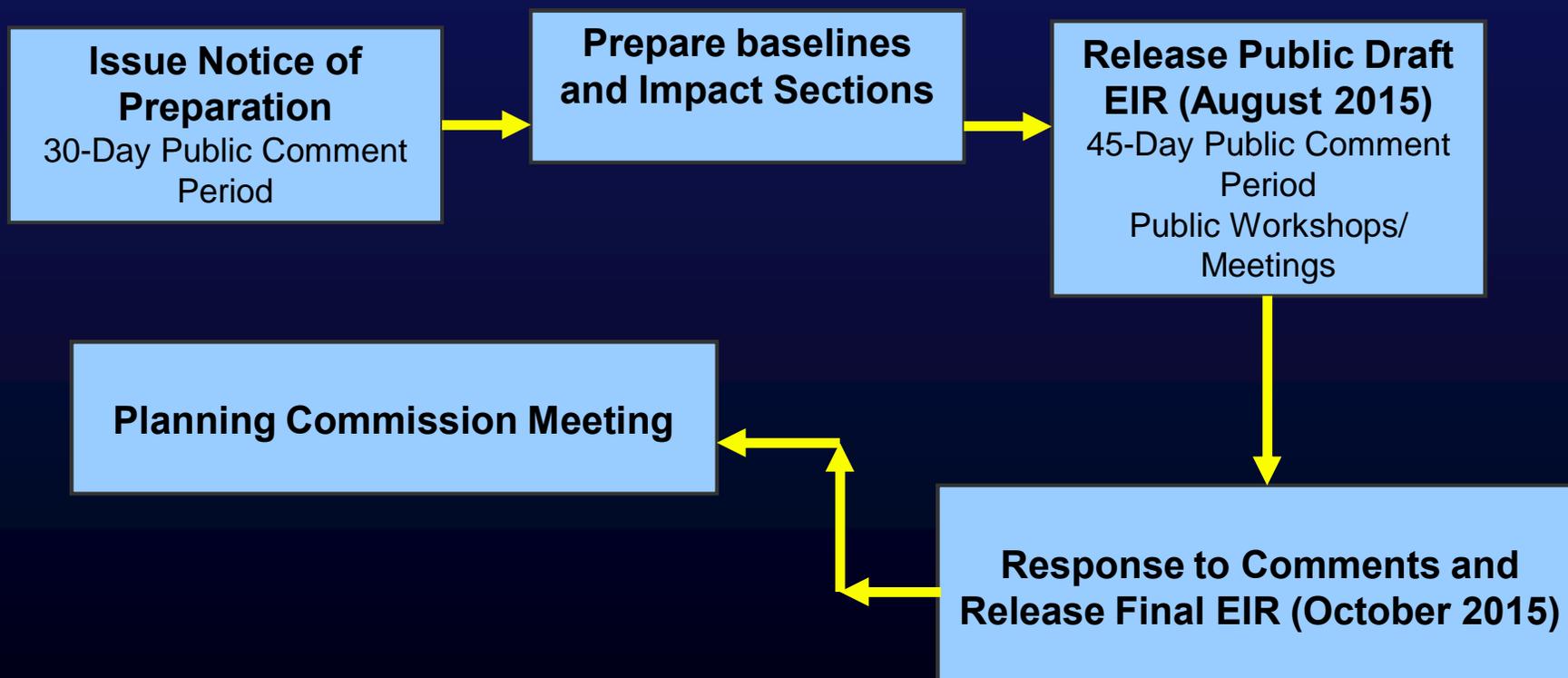
Map includes data from:
 Los Angeles County GIS Data Portal
<http://regs3.lacounty.gov/isaportal/>, 1 Feb 2012
 Los Angeles County Assessor's Office
<http://assessor.lacounty.gov/e/ranew/>
 OutsideAir/gisdata.asp, 3 Feb 2012
 USGS Aerial Photograph, 15 Feb 2003
 USGS Elevation contours, interval 50'
 Geographic Well Locations, 9 Feb 2012
 Proposed Utility Locations, 14 Nov 2013
 CA State Plane N, NAD83.

Proposed Drill Sites and Utilities
 Termo Aliso Canyon and Oat Mountain Oil Fields
 Los Angeles County, CA

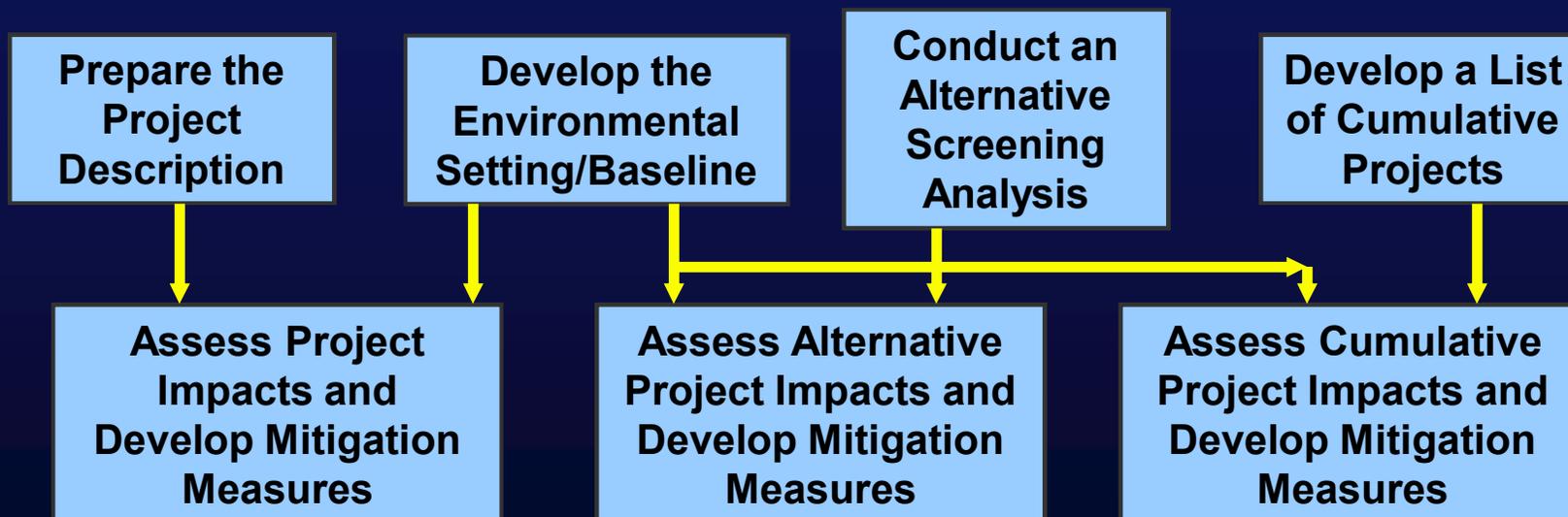


Figure 3

The EIR process will be completed in approximately 6 months.



The basic steps undertaken as part of the CEQA process include:



Preliminary review of the Project indicates these issue areas will need to be evaluated in the EIR:

- Aesthetics and Visual Resources
- Air Quality
- Biological Resources
- Risk of Upset, Hazards
- Geological Resources
- Noise and Vibration
- Transportation and Circulation
- Hydrology and Water Resources
- Cultural Resources and Archaeology
- Land Use and Policy Consistency
- Fire Protection and Emergency Services
- Public Services, Utilities and Solid Waste
- Energy and Mineral Resources

The final list of issue areas will be developed after considering comments on the Notice of Preparation.

Significant Issue Areas

- Air Quality: emissions from construction and operations, including criteria pollutants and odors, compared to SCAQMD thresholds
- Aesthetics: impacts on views from public areas
- Biological Resources: potential impacts to habitats due to potential pipeline spills and construction
- Risk of Upset, Hazards: accidental releases, fire, explosion, oil spills, fire impacts to neighborhoods.
- Water Quality: water use, oil spills, and impacts to aquifers
- Geology: seismicity, subsidence, slope stability

Significant Issue Areas (continued)

- Land Use: consistency with governing land use policies, impacts on existing neighborhoods
- Noise: impacts associated with vehicles on roads, drilling activities, construction, and operations
- Public Services: impacts on area utilities
- Transportation: construction and operations traffic on area roadways
- Fire Protection: appropriate design, fire protection services

Alternatives

- No Project Alternative
- Alternate Well Pad Location
- Reduced Well Pads
- Alternate Processing Location

The EIR process provides several opportunities for public input and participation:

- *NOP Public Scoping Meeting* – A public meeting to provide input on the scope of the EIR. Comments due May 20, 2015.
- *Public Draft EIR Workshop* – A public meeting to review and discuss the contents of the Draft EIR, following its release. August 2015.
- *Public Draft EIR Comment Period* . 45-day period for written comments on the Draft EIR.
- *County Public Hearing* – Public hearing to provide comments on the Draft EIR to the County.

Comments on the NOP

Typical Drilling Rigs



Workover Rig



Drilling Rig

Termo North Aliso Field Oil Development Project EIR

Typical Oil Trucks



Termo North Aliso Field Oil Development Project EIR

Noise and Light Control



Mast Boards Noise Blanket



Compressor Noise Blankets



Rig Floor Noise Blanket



Shielded and Unshielded Lighting